

DATA SHEET

SV 201/1

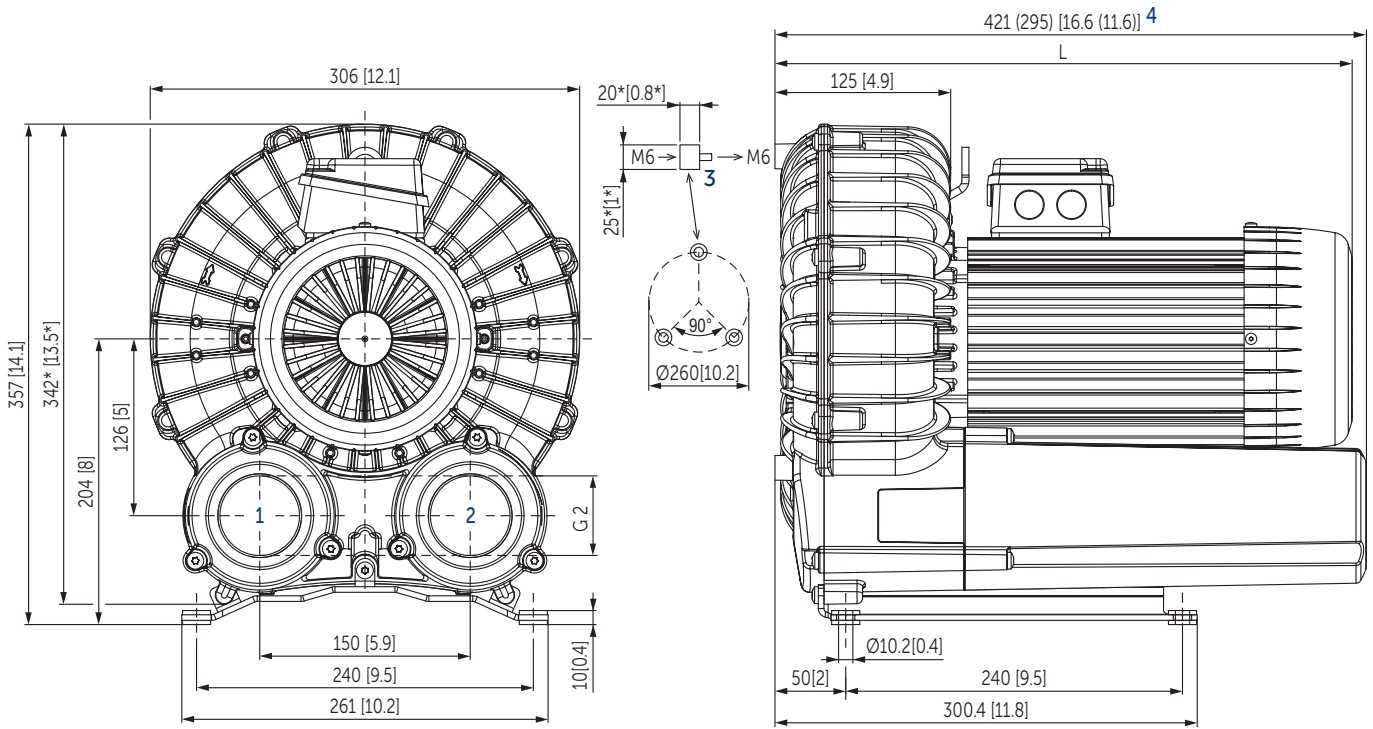
SIDE CHANNEL VACUUM PUMPS

single stage

air-cooled

MAKE IT BECKER.





- 1 Vacuum connection (G2)
- 2 Pressure connection (G2)
- 3 Optional vibration dampers (rubber buffer) for vertical installation
- 4 Optional with shorter silencers
- * Device dimensions without pedestal under the silencer, with rubber buffers on the enclosure cover
- The motor illustration may vary
- Dimensions in mm [inch]

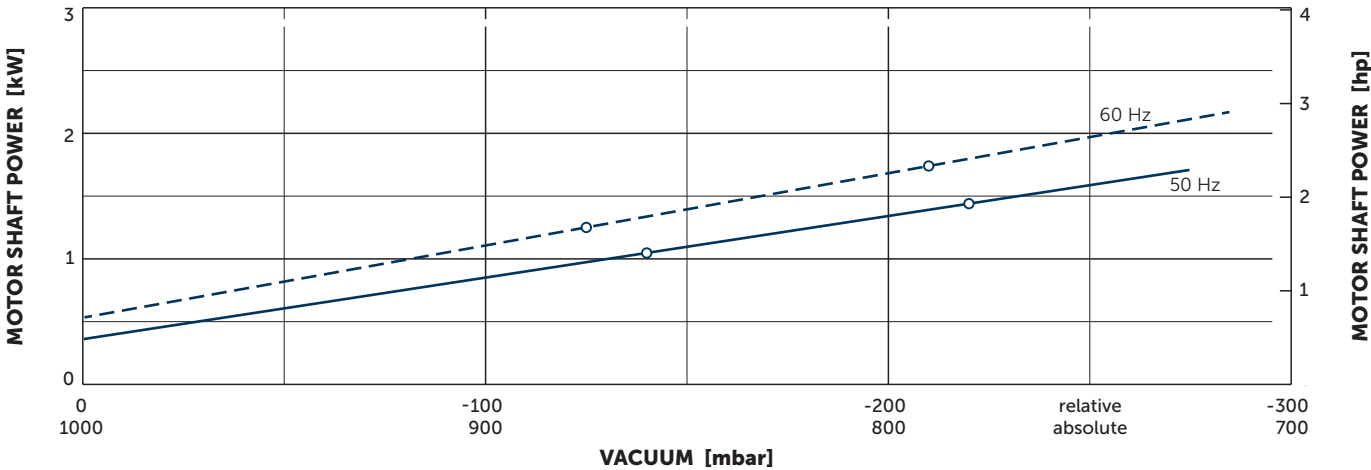
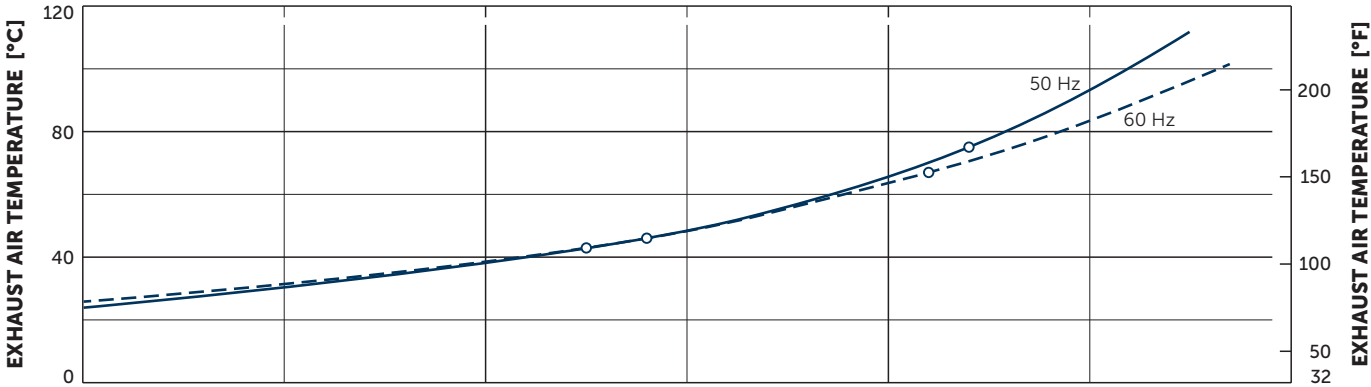
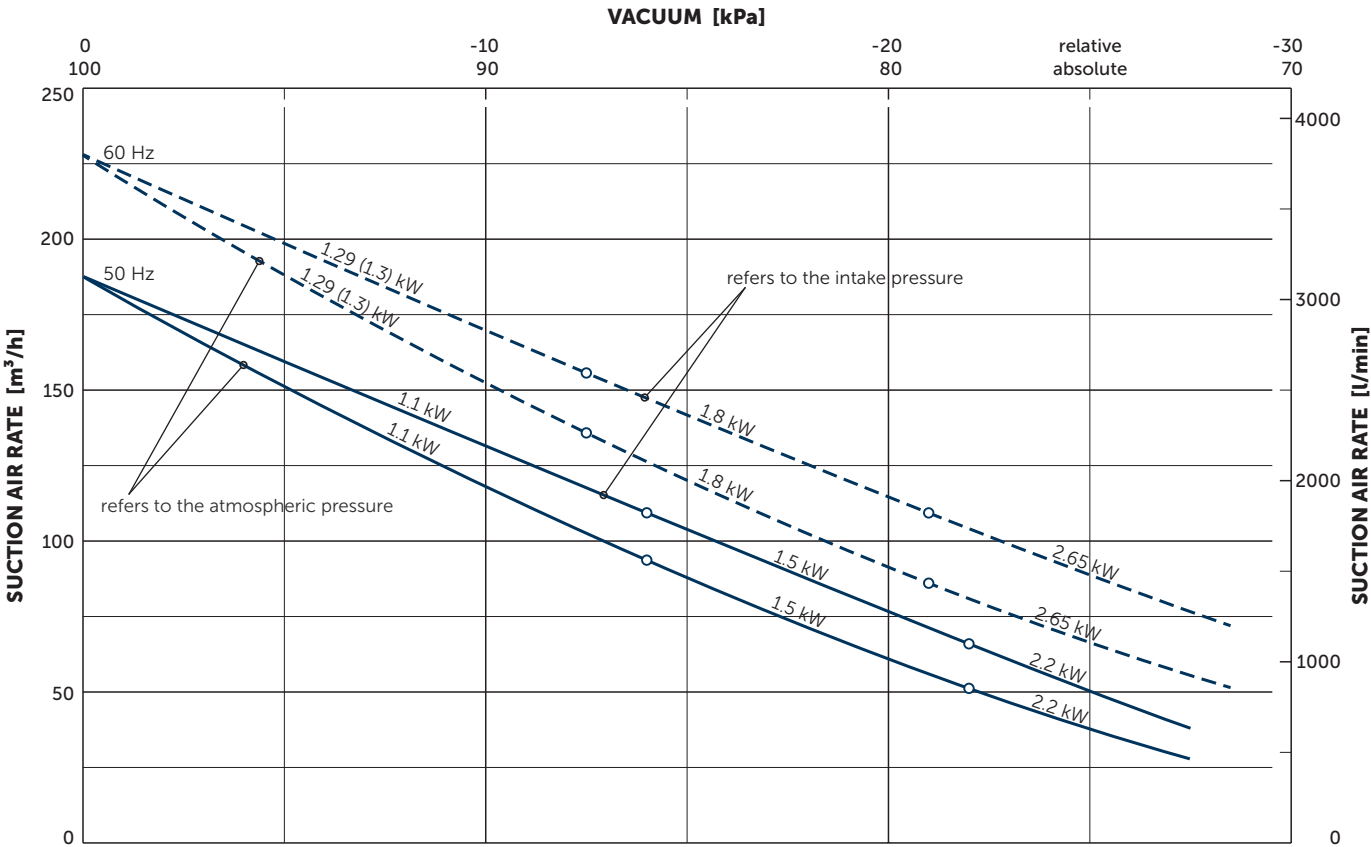
Suction air rate		Vacuum relative		Motors		Emission sound pressure level ¹⁾		Weight with motor
m³/h		mbar		kW		dB(A)		kg
50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	
190	230	-140	-125	1.1	1.29/1.3	65.2 (-95 mbar)	68.3 (-85 mbar)	25.5
190	230	-220	-210	1.5	1.8	66.5 (-155 mbar)	68.2 (-145 mbar)	28.5
190	230	-275	-285	2.2	2.65	66.3 (-185 mbar)		32.5

¹⁾ According to DIN EN ISO 11203, accuracy class of measurement: class 2, extended measurement uncertainty: 3 dB
1 m [39.4 inch] distance, at medium load, both connection sides piped

3~ Motors												L
#	50 Hz					60 Hz				Version	mm [inch]	
	kW	V		min ⁻¹	A	kW	V	min ⁻¹	A			
01	1.1	Δ230/Y400	IE3	2870	4.3/2.5	1.29	Δ265/Y460 Δ230/Y400	IE3 3395	3460 4.7/2.7	4.3/2.5 IP55 • ISO F • bimetal	391 [15.4]	
02						1.3	YY230/Y460 YY208/Y –	IE3 –	3465 3430	4.8/2.4 5.05/ –	UL • CSA • CC IP55 • ISO F • bimetal	427 [16.8]
03	1.1	Δ200/Y350	IE3	2875	5.0/2.9	1.29	Δ220/Y380–400 Δ200/Y350	IE3 3405	3462 5.2/3.0	5.0/2.9–3.0 IP55 • ISO F • bimetal	391 [15.4]	
04	1.5	Δ230/Y400	IE3	2897	5.6/3.25	1.8	Δ265/Y460 Δ230/Y400	IE3 3449	3487 6.0/3.45	UL • CSA • CC IP55 • ISO F • bimetal	427 [16.8]	
05						1.8	YY230/Y460 YY208/Y –	IE3 3470	3490 6.85/ –	UL • CSA • CC IP55 • ISO F • bimetal	427 [16.8]	
06	1.5	Δ200/Y350	IE3	2905	7.4/4.3	1.8	Δ220/Y380–400 Δ200/Y350	IE3 3450	3480 7.2/4.2	7.2/4.3–4.2 IP55 • ISO F • bimetal	431 [17.0]	
07	2.2	Δ230/Y400	IE3	2910	7.7/4.45	2.65	Δ265/Y460 Δ230/Y400	IE3 3460	3510 8.3/4.6	UL • CSA IP55 • ISO F • bimetal	452 [17.8]	
08						2.65	Δ230/Y460 Δ208/Y –	IE3 3460	3510 9.2/ –	UL • CSA IP55 • ISO F • bimetal	452 [17.8]	
09	2.2	Δ200/Y350		2920	9.0/5.1	2.65	Δ220/Y380–400 Δ200/Y350	IE3 3480	3500 9.4/5.4	8.9/5.2 IP55 • ISO F • bimetal	452 [17.8]	

1~ Motors												L
#	50 Hz				60 Hz				Version			mm [inch]
	kW	V	min ⁻¹	A	kW	V	min ⁻¹	A				
01	1.1	230 ±10%	2855	6.7	1.3	230 ±10%	3375	7.9	UL • CSA IP55 • ISO F • bimetal			391 [15.4]
02	1.5	230 ±10%	2860	8.9	1.8	230 ±10%	3350	11.0	UL • CSA IP55 • ISO F • bimetal			431 [17.0]

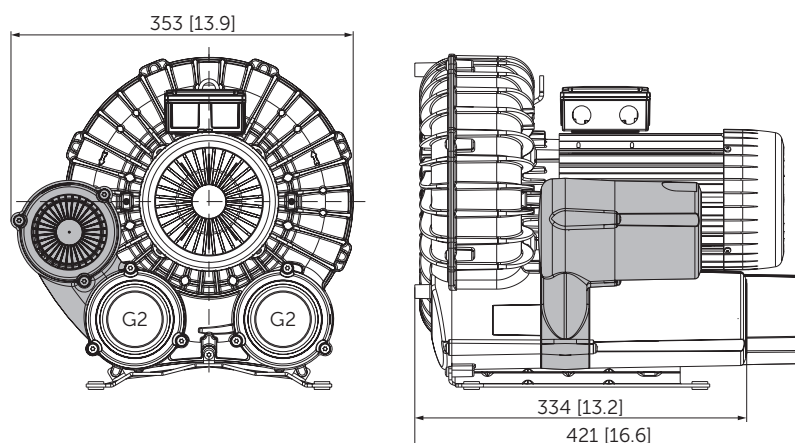
• Type plate data on current consumption and rotation speed of the motors may vary. Tolerance -1.5/+2% in each case.



Reference data (atmosphere): 1000 mbar (100 kPa), 20°C (68°F)
Tolerance: ±10%
Temperature: Inlet air 0°C ... 40°C (32°F ... 104°F), Ambient air 3~ -10°C ... 40°C (14°F ... 104°F), Ambient air 1~ 15°C ... 40°C (59°F ... 104°F)

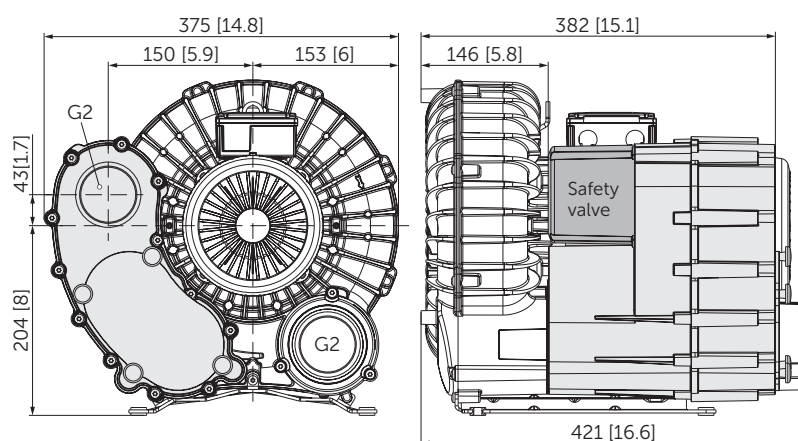
+ VARIANTS AND ACCESSORIES

VACUUM SAFETY VALVE



SUCTION FILTER

- Vacuum-sealed filter housing
- Paper or polyester insert
- Can be combined with vacuum safety valve

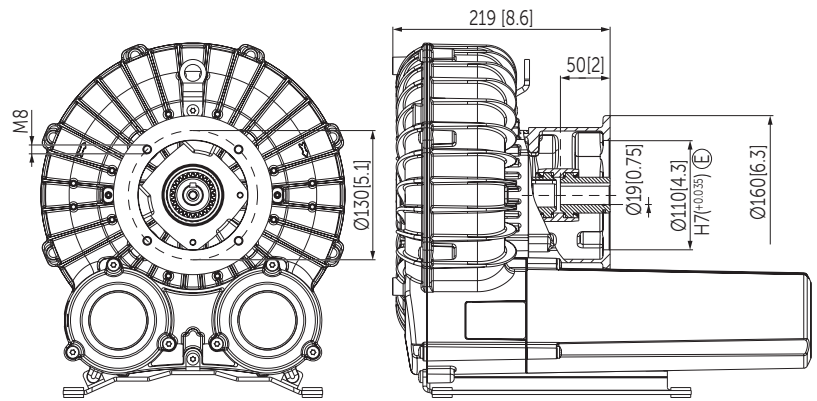


¹⁾ See separate data sheet

- Dimensions in mm [inch] – For other dimensions, see the figure on page 2.
- Possible combinations on request

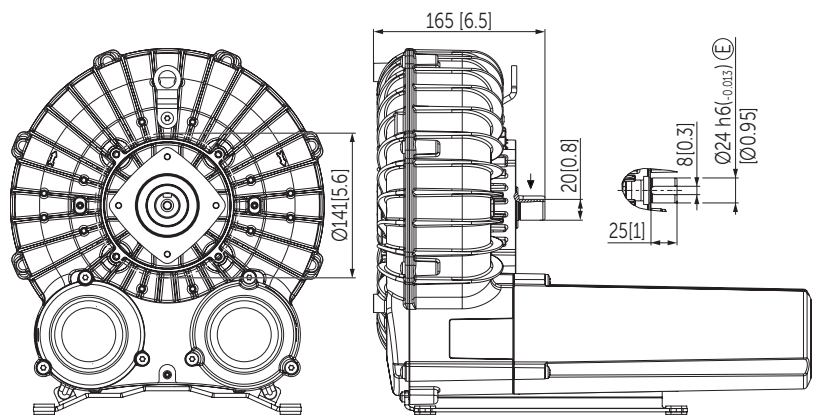
WITHOUT MOTOR

- With coupling for flange motor
- The motor must be supported!



WITHOUT MOTOR

- With free shaft end
- Max. 5600 rpm with V-belt pulley
- Possible performance data see VARIAR SV 201/1¹⁾



OTHER VARIANTS AND ACCESSORIES

- With increased corrosion protection
- VARIAR SV 201/1 with frequency inverter VAU4/4 for 100 Hz operation¹⁾
- Sound proof box SH 18¹⁾ (not with 2.2/2.65 kW)

¹⁾ See separate data sheet

- Dimensions in mm [inch] – For other dimensions, see the figure on page 2.
- Possible combinations on request



Sound proof box SH 18



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